

$$p = m v$$

↓ ↘ velocity
 ↗ mass

momentum

COLLISIONS - Change in momen

ELASTIC COLLISIONS

COLLIDE & BOUNCE APART

INELASTIC COLLISIONS

COLLIDE & STICK TOGETHER

ELASTIC COLLISIONS

PING PONG
Tennis

RACQUET + BALL

BOUNCING B-BALL

BALL + BAT

TRAMPOLINE

Bumper Cars.

CAR CRASH

IN ELASTIC COLLISIONS

CLAY @ WALL

SPAGHETTI on WALL

ARROW → TREE

STICKY HAND

VELCRO BALL + PADDLE

CATCH Anything

BALL IN GLOVE

PUCK IN GROVE

CONSERVATION OF momentum
The momentum of the
objects Before a collision
MUST EQUAL the momentum
After a collision.